

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P828095

Luminaire Tested: **OHBL-36HE-NL-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828095
REPORT IS A COMBINATION OF REPORTS P826171 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-NL-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

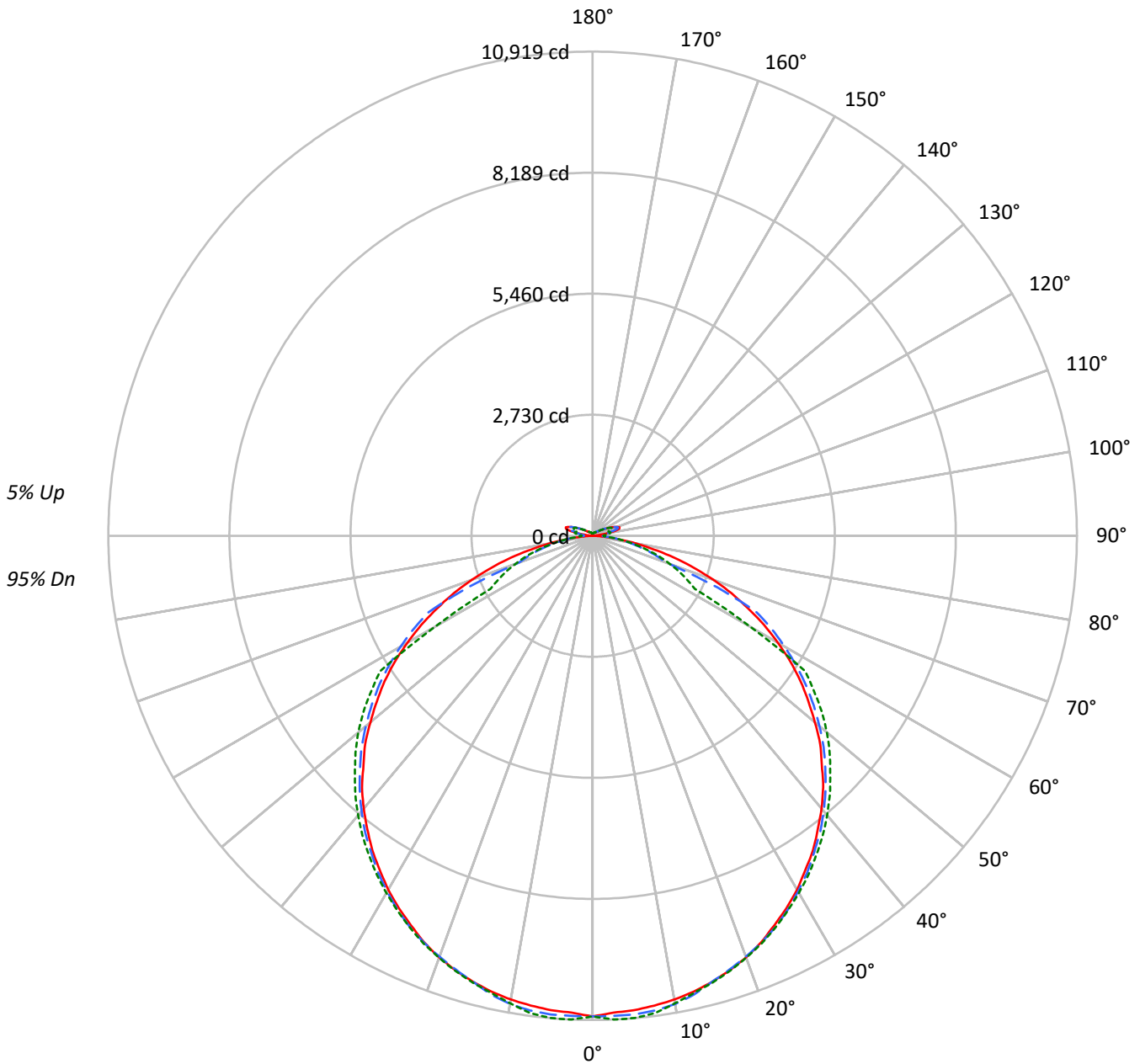
Lumens per Lamp: N/A
Luminaire Lumens: 31924.9 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 224.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80				
2	99	91	84	79	95	88	82	77	84	79	75	80	76	72	76	73	70	67				
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57				
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49				
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42				
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	37				
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33				
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29				
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26				
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17143	17143	17143
5°	16965	17115	17292
10°	16887	17040	17113
15°	16800	16786	16964
20°	16689	16649	16880
25°	16483	16549	16802
30°	16309	16371	16729
35°	16097	16158	16664
40°	15840	15959	16614
45°	15479	15677	16511
50°	15094	15360	16445
55°	14625	14956	16166
60°	13917	14356	12489
65°	12897	13585	8318
70°	11582	6994	7953
75°	9645	6334	7415
80°	6810	5319	6492
85°	2765	4296	5618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1029.8	3.2
10°-20°	2948.6	9.2
20°-30°	4486.5	14.1
30°-40°	5455.0	17.1
40°-50°	5735.7	18.0
50°-60°	5237.3	16.4
60°-70°	3357.4	10.5
70°-80°	1586.0	5.0
80°-90°	443.5	1.4
90°-100°	259.2	0.8
100°-110°	527.4	1.7
110°-120°	434.6	1.4
120°-130°	204.5	0.6
130°-140°	102.1	0.3
140°-150°	59.3	0.2
150°-160°	34.6	0.1
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	8464.9	26.5
0°-40°	13919.9	43.6
0°-60°	24893.0	78.0
0°-90°	30279.9	94.8
90°-120°	1221.2	3.8
90°-150°	1587.0	5.0
90°-180°	1645.0	5.2
0°-180°	31924.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10840	10840	10840	10840	10840	
5°	10739	10781	10836	10895	10918	###
15°	10414	10491	10412	10427	10434	2940
25°	9691	9706	9740	9755	9748	4472
35°	8662	8610	8709	8816	8791	5413
45°	7306	7292	7416	7591	7578	5647
55°	5725	5681	5873	6069	6085	5106
65°	3857	3857	4082	2341	2349	3824
75°	1906	1942	1261	1328	1333	2009
85°	249	316	394	426	403	368
90°	3	127	203	245	245	13
95°	37	124	233	308	328	103
105°	627	633	552	398	368	595
115°	437	446	451	440	428	438
125°	208	218	224	223	222	196
135°	123	126	130	132	132	98
145°	90	92	94	95	95	57
155°	72	73	74	75	75	34
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10839.6	10839.6	10839.6	10839.6	10839.6
2.5°	10763.4	10799.7	10839.6	10890.9	10919.3
5°	10738.7	10780.6	10835.8	10894.8	10917.5
7.5°	10685.5	10744.3	10797.7	10839.6	10852.8
10°	10618.8	10689.3	10719.8	10715.9	10706.5
12.5°	10529.5	10603.8	10594.3	10550.4	10558.1
15°	10413.5	10491.4	10411.7	10426.8	10434.4
17.5°	10276.5	10352.7	10259.4	10289.8	10291.8
20°	10116.8	10173.8	10101.6	10126.3	10126.3
22.5°	9924.8	9964.6	9934.2	9951.3	9955.2
25°	9690.8	9705.8	9740.1	9755.4	9747.8
27.5°	9466.4	9447.3	9513.9	9550.0	9530.8
30°	9217.2	9186.8	9264.7	9323.7	9300.9
32.5°	8931.8	8912.8	9002.3	9072.6	9059.2
35°	8661.8	8610.4	8709.2	8815.8	8791.0
37.5°	8342.2	8311.8	8423.9	8536.3	8523.0
40°	8030.2	7978.9	8106.3	8239.5	8226.2
42.5°	7695.6	7634.6	7773.5	7933.4	7918.1
45°	7305.5	7292.3	7415.8	7590.8	7577.6
47.5°	6959.6	6892.9	7065.9	7235.2	7250.6
50°	6540.9	6516.3	6674.3	6879.6	6894.8
52.5°	6132.2	6115.0	6280.3	6487.8	6514.3
55°	5725.0	5681.2	5873.3	6069.3	6084.6
57.5°	5289.6	5243.9	5439.8	5652.8	5685.1
60°	4823.4	4779.8	4994.6	5192.5	4129.3
62.5°	4357.4	4327.1	4551.6	3223.9	2598.2
65°	3857.2	3857.2	4081.6	2341.3	2349.0
67.5°	3389.5	3359.1	3043.3	2103.5	2103.5
70°	2887.2	2898.8	1753.5	1843.2	1844.9
72.5°	2383.2	2425.1	1514.1	1586.2	1590.0
75°	1905.8	1942.0	1261.0	1327.7	1333.3
77.5°	1399.9	1076.5	1013.7	1065.2	1067.1
80°	983.3	679.0	776.1	825.4	819.8
82.5°	574.3	475.4	568.7	604.9	602.9
85°	249.1	315.8	393.7	426.1	403.2
87.5°	79.8	195.9	245.3	264.4	262.4
90°	3.3	127.3	203.3	244.8	245.3
92.5°	10.8	111.1	198.1	253.7	262.1
95°	37.3	123.5	233.2	308.5	328.5
97.5°	166.3	217.3	287.8	368.1	385.2
100°	338.8	383.9	354.0	404.3	411.2
102.5°	533.7	549.9	414.4	402.5	399.5
105°	627.0	632.6	552.1	397.9	367.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	513.2	520.3	515.9	497.0	462.7
115°	437.0	445.8	450.6	439.9	427.7
117.5°	364.2	366.7	368.3	366.7	367.5
120°	304.2	310.0	313.3	310.8	309.2
122.5°	254.2	261.7	265.8	263.3	261.7
125°	208.3	218.3	224.2	223.3	221.7
127.5°	176.7	184.2	191.7	190.8	189.2
130°	153.3	159.2	164.2	165.0	165.8
132.5°	137.5	140.0	145.0	145.8	147.5
135°	123.3	125.8	130.0	131.7	132.5
137.5°	112.5	115.0	118.3	120.0	120.8
140°	103.3	105.8	108.3	110.0	110.8
142.5°	95.8	98.3	100.8	101.7	102.5
145°	90.0	91.7	94.2	95.0	95.0
147.5°	84.2	85.8	87.5	89.2	89.2
150°	79.2	80.8	82.5	83.3	84.2
152.5°	75.8	76.7	78.3	79.2	79.2
155°	71.7	73.3	74.2	75.0	75.0
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	632.8	642.3	601.6	463.8	379.8
110°	582.3	594.6	575.2	517.8	446.8



(END OF REPORT)